

Applicants: Docket No.:

Michael D. Ellis et al. UV-44

EXPRESS MAIL LABEL NO. EV625768268US

Filed: April 20, 1998

Application No.: 09/063,333 Confirmation No. 4270
For: INTERACTIVE ELECTRONIC TELEVISION PROGRAM GUIDE WITH

DATABASE CONFIGURABLITY
Attorney: Evelyn C. Mak - Reg. No. 50,492

1 / 12

INTERACTIVE **TELEVISION PROGRAM** GUIDE **APPLICATION** 

FIG. / PRIOR ART

**FIXED** 

**EXECUTABLE** CODE, ETC.

PROGRAM GUIDE DATA

APR 0 4 2005

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2/12

INTERACTIVE **TELEVISION PROGRAM** GUIDE **APPLICATION** 

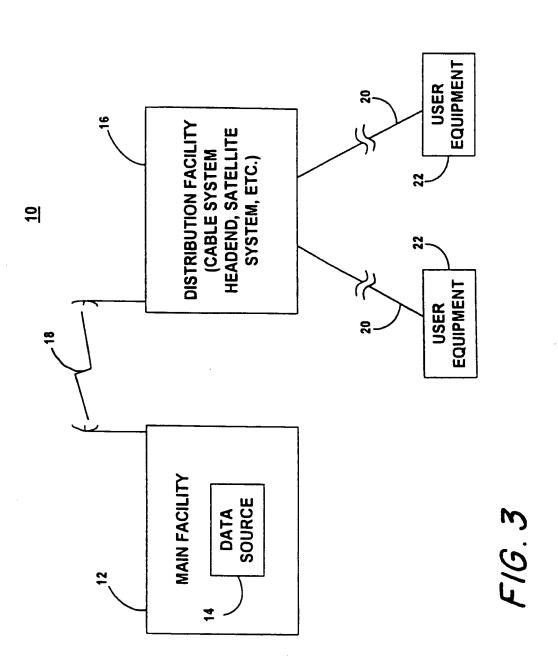
FIG. 2

VARIABLE **EXECUTABLE** PROGRAM GUIDE DATA CODE, ETC. ADJUST AMOUNT OF MEMORY **USED TO STORE PROGRAM GUIDE DATA TO ACCOMODATE NEW APPLICATION** VARIABLE **EXECUTABLE PROGRAM GUIDE** NEW CODE, ETC. DATA **APPLICATION** 



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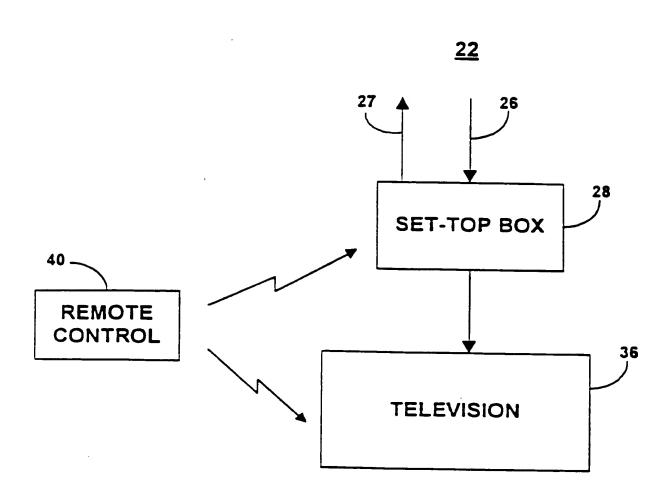


FIG. 4



Applicants: Michael D. Ellis et al. Docket No.: UV-44
Application No.: 09/063,333

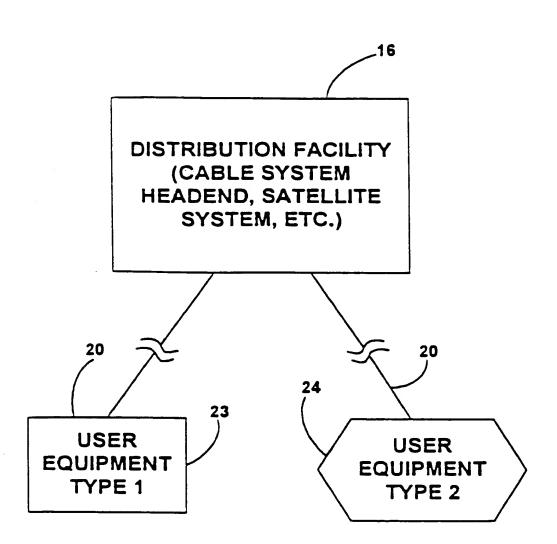
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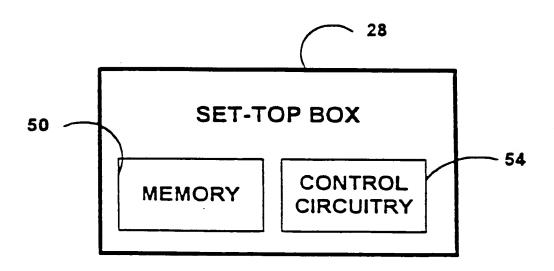


FIG. 6

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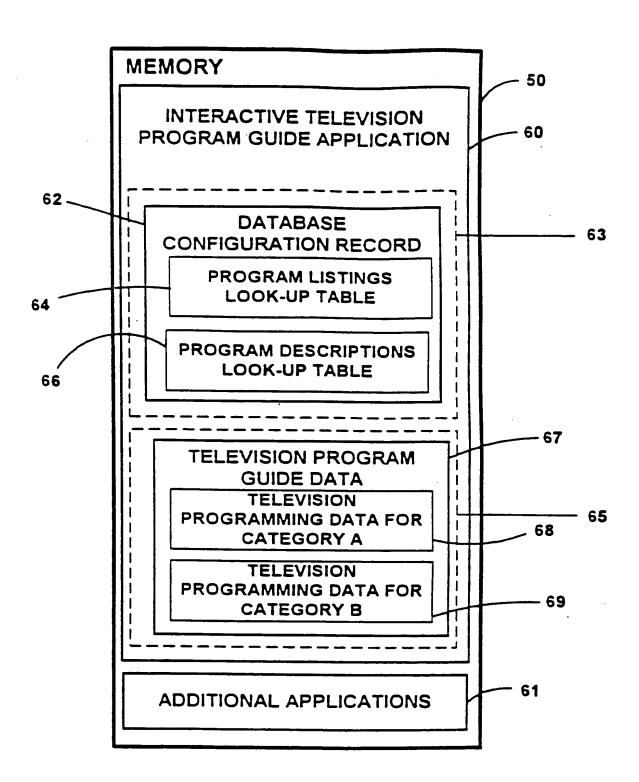


FIG. 7



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		Any Program	Special Events	PPV Movies	Sporting Events	Non-PPV Movies	Regular	
•	Level 0	30 days	30 days	7 days	7 days	7 days	7 days	Τ-
	Level 1	30 days	30 days	7 days	7 days	7 days	6 days	1
	Level 2	30 days	30 days	7 days	7 days	7 days	5 days	
	Level 3	30 days	30 days	7 days	7 days	7 days	4 days	т —
	Level 4	30 days	30 days	7 days	7 days	7 days	3 days	т—
	Level 5	30 days	30 days	7 days	7 days	7 days	2 days	
	Level 6	30 days	30 days	7 days	7 days	7 days	1 day	
	Level 7	30 days	30 days	6 days	6 days	6 days	1 day	
	Level 8	30 days	30 days	5 days	5 days	5 days	1 day	· · · · · ·
	Level 9	30 days	30 days	4 days	4 days	4 days	1 day	
	Level 10	30 days	30 days	3 days	3 days	3 days	1 day	<b>,</b> .
	Level 11	30 days	30 days	2 days	2 days	2 days	1 day	
	Level 12	30 days	30 days	1 day	1 day	1 day	1 day	
	Level 13	7 days	7 days	1 day	1 day	1 day	1 day	
	Level 14	1 day	1 day	1 day	1 day	1 day	1 day	_



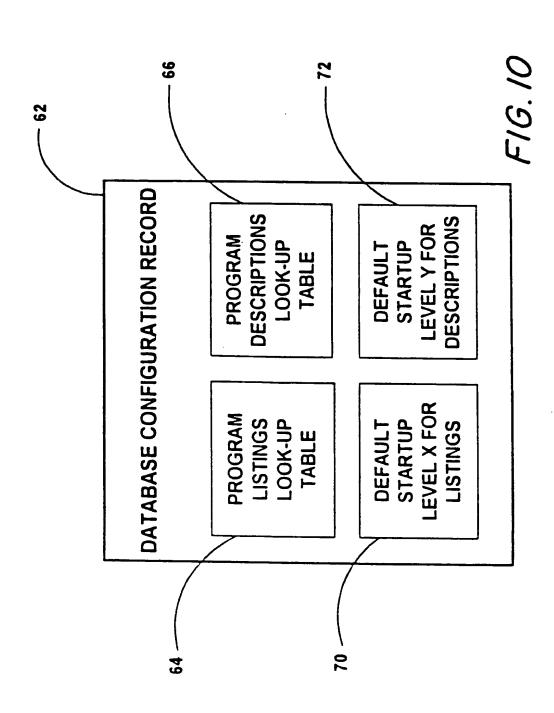
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	Any	Special Events	PPV Movies	Sporting Events	Non-PPV Movies	Regular Programs	
Level 0	30 days	30 days	7 days	7 days	7 days	7 days	
Level 1	30 days	30 days	7 days	7 days	7 days	6 days	
Level 2	30 days	30 days	7 days	7 days	7 days	5 days	_
Level 3	30 days	30 days	7 days	7 days	7 days	4 days	
Level 4	30 days	30 days	7 days	7 days	7 days	3 days	
Level 5	30 days	30 days	7 days	7 days	7 days	2 days	
Level 6	30 days	30 days	7 days	7 days	7 days	1 day	
Level 7	30 days	30 days	6 days	6 days	6 days	1 day	
Level 8	30 days	30 days	5 days	5 days	5 days	1 day	
Level 9	30 days	30 days	4 days	4 days	4 days	1 day	
Level 10	30 days	30 days	3 days	3 days	3 days	1 day	
Level 11	30 days	30 days	2 days	2 days	2 days	1 day	
Level 12	30 days	30 days	1 day	1 day	1 day	1 day	
Level 13	7 days	7 days	1 day	1 day	1 day	1 day	FIC
1 ovel 14	1 dav	1 day	1 day	1 day	1 day	1 day	
	227	/					

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UV-44

EXPRESS MAIL LABEL NO. EV625768268US

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102

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Application No.: 09/063,333

11/12

DETERMINE MEMORY REQUIREMENTS OF NEW APPLICATION (E.G., SHOPPING CHANNEL

**APPLICATION** CONTAINING 250kB)

CALCULATE AMOUNT OF MEMORY THAT WILL BE **AVAILABLE TO** PROGRAM GUIDE IN SET-TOP MEMORY AFTER **NEW APPLICATION IS** INTRODUCED

106

104

**USE PROGRAM LISTINGS** LOOK-UP TABLE AND PROGRAM DESCRIPTIONS LOOK-UP TABLE TO DETERMINE WHETHER **NEW DATABASE CONFIGURATION IS** REQUIRED

108

IF REQUIRED, DOWNLOAD NEW DATABASE CONFIGURATION RECORD INTO SET-TOP BOX MEMORY, ALLOCATE MEMORY ACCORDINGLY, THEN, DOWNLOAD **NEW APPLICATION INTO SET-TOP BOX MEMORY** 

FIG. 11



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202

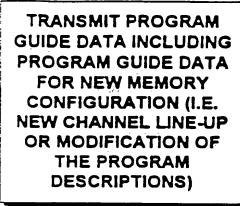
204

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## 12/12



**RECEIVE PROGRAM GUIDE DATA FOR NEW MEMORY** CONFIGURATION

RECONFIGURE MEMORY (I.E. CHECK DATABASE CONFIGURATION **RECORD AND** CALCULATE AND SET **NEW LISTINGS LEVEL** AND NEW DESCRIPTIONS LEVEL FOR DIFFERENT CATEGORIES OF THE PROGRAM GUIDE DATA) TO ACCOMMODATE NEW **MEMORY** CONFIGURATION

206

FIG. 12